

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Please amend the claims as shown and add new Claims 6 and 7.

1. (Original) A functionalized, structurally modified silica, characterized by functional groups fixed on the surface, the groups being 3-methacryloxypropylsilyl and/or glycidyloxypropylsilyl, with the following physico-chemical characteristic data:

BET surface area	m ² /g	25 - 380
Primary particle size	nm	6 - 45
Tamped density	g/l	50 - 400
pH		3 - 10
Carbon content	%	0.1 - 15
DBP number	%	<200

2. (Original) The functionalized, structurally modified silica of Claim 1, wherein the silica is produced by pyrolysis prior to surface modification.

3. (Original) The functionalized, structurally modified silica of Claim 1 wherein the BET surface area ranges from 90±15 to 380±15.

4. (Original) A process for the preparation of functionalized, structurally modified silica according to Claim 1, comprising spraying silica first with water or dilute acid and then with a surface modification reagent or a mixture of several surface modification reagents in a

mixing vessel, intensively mixing the silica and said reagent, optionally re-mixing the silica for 15 to 30 minutes and then heat-treating at a temperature of 100 to 400°C over a period of 1 to 6 h, to thereby produce a functionalized silica, then destructuring or compacting said silica and optionally re-grinding said silica in a mill.

5. (Original) A coating composition containing the functionalized, structurally modified silica according to Claim 1 in a binder vehicle.

6. (New) A functionalized, structurally modified silica, characterized by functional groups fixed on the surface, the groups being 3-methacryloxypropylsilyl and/or glycidyloxypropylsilyl, with the following physico-chemical characteristic data:

BET surface area	m ² /g	25 - 380
Primary particle size	nm	6 - 45
Tamped density	g/l	50 - 400
pH		3 - 10
Carbon content	%	0.1 - 15
DBP number	%	<200,

said functionalized, structurally modified silica being produced by spraying pyrogenically produced silica first with water or dilute acid and then with at least one of a surface modification reagent selected from the group consisting of 3-methacryloxypropylsilane, glycidoxypropylsilane and mixtures thereof, in a mixing vessel, intensively mixing the silica and said reagent, optionally re-mixing the silica for 15 to 30 minutes and then heat-treating at a temperature of 100 to 400°C over a period of 1 to 6 h, to thereby produce said functionalized silica.

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7. (New) The functionalized, structurally modified silica according to Claim 6, which has been additionally subjected to destructuring or compacting and optionally re-grinding said silica in a mill.